

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



Click [here](#) for the 3D model.

General Information

| | |
|------------------|---|
| Series | T493 HRA |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Molded, High Reliability |
| Features | High Reliability |
| RoHS | No |
| Prop 65 | ⚠ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov . |
| SCIP Number | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa |
| Termination | Solder Coated |
| AEC-Q200 | No |
| Component Weight | 58.97 mg |
| Notes | P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present). |

Dimensions

| | |
|-----------|-----------------|
| Footprint | 3216 |
| L | 3.2mm +/-0.2mm |
| W | 1.6mm +/-0.2mm |
| H | 1.6mm +/-0.2mm |
| T | 0.13mm REF |
| S | 0.8mm +/-0.3mm |
| F | 1.2mm +/-0.1mm |
| A | 1.2mm MIN |
| B | 0.4mm +/-0.15mm |
| E | 1.3mm REF |
| G | 1.1mm REF |
| P | 0.35mm MIN |
| R | 0.4mm REF |
| X | 0.1mm +/-0.1mm |

Specifications

| | |
|-------------------------|---|
| Capacitance | 1 uF |
| Capacitance Tolerance | 10% |
| Voltage DC | 20 VDC (85C), 13.4 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 4% 120Hz 25C |
| Failure Rate | B (0.1%/1000 Hrs) |
| Resistance | 5.5 Ohms (100kHz 25C) |
| Ripple Current | 117 mA (rms, 100kHz 25C) |
| Leakage Current | 0.5 uA (5min 25°C) |
| Testing and Reliability | 10 Cycles Surge Current Testing At +25C After Weibull |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 2000 |